

## Application

DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltage modules and inverters. Arcing time is less than 8ms, that keeps solar system more safe. To ensure its stability and long service life, our products are made by components with optimum quality. Max voltage is up to 1200V DC. It holds a safe lead among similar products.



## Feature

- IP20 Protection Level
- Din rail mounted
- Ultra-thin handle
- 2 Pole, 4 Poles are viable (Single I Double String)
- Standard: IEC60947-3, AS60947.3
- DC-PV2, DC-PV1, DC-21B
- 16A, 25A, 32A, 1200V DC

## Electrical Characteristics

Function	Isolator, Control
Standard	IEC60947-3, AS60947.3
Utilization category	DC-PV2/DC-PV1/DC-21B
Pole	4P
Rated frequency	DC
Rated operational voltage ( $U_e$ )	300V, 600V, 800V, 1000V, 1200V
Rated operational voltage ( $I_e$ )	See the next page
Rated insulation voltage ( $U_i$ )	1200V
Conventional free air thermal current ( $I_{th}$ )	
Conventional enclosed thermal current ( $I_{the}$ )	Same as $I_e$
Rated short-time withstand current ( $I_{cw}$ )	1kA, 1s
Rated impuled withstand voltage ( $U_{imp}$ )	8.0kV
Overvoltage category	II
Suitability for isolation	Yes
Polarity	No polarity, "-" and "-" polarities could be interchanged.
Service life/cycle operation	
Mechanical	18000
Electrical	2000
Installation Environment	
Ingress protection	Switch Body IP20
Storage temperature	-40°C~+85°C
Mounting Type	Vertically or horizontally
Pollution degree	3

## PV DC Isolator Switches

Rated Voltage / Rated Current

Wiring	Type	300V	600V	800V	1000V	1200V
2P/4P	16 series	16A	16A	12A	8A	6A
	25 series	25A	25A	15A	9A	7A
	32 series	32A	32A	17A	10A	8A
4T/4B/4S	16 series	16A	16A	16A	16A	16A
	25 series	25A	25A	25A	25A	25A
	32 series	32A	32A	32A	32A	32A
2H	16 series	35A	35A	/	/	/
	25 series	40A	40A	/	/	/
	32 series	45A	40A	/	/	/

### Switching Configurations

Type	2-pole	4-pole	2-pole 4 poles in series Input and Output bottom	2-pole 4 poles in series Input and Output on top	2-pole 4 poles in series Input on top Output bottom	2-pole 4 paralleled Poles
/	2P	4P	4T	4B	4S	2H
<b>Contacts Wiring graph</b>						
<b>Switching example</b>						

### Dimensions(mm)

